



General Purpose Medium Sensitivity (12pC/ms⁻²) Accelerometer

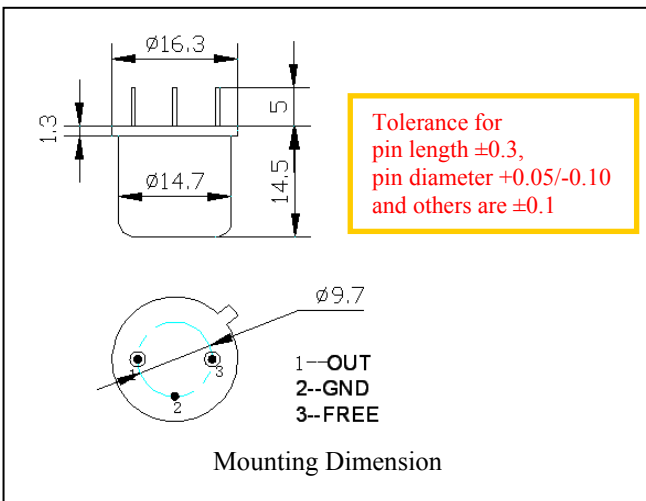
Model CA-YD-169D

FEATURES

- General purpose vibration and shock measurement
- Low cost
- TO-8 type case
- Charge output

SUPPLIED WITH

- Calibration chart
- Certificate



PERFORMANCE

Sensitivity (at 20±5°C)	12±20% pC/ms ⁻²
Transverse sensitivity	≤5%
Measurement range	250ms ⁻²
Frequency response	see graph below
Frequency range	1Hz-8000Hz(3dB)
Mounted resonance	>15kHz
Temperature response	see graph below
Output phase	in phase with input
Isolation resistance	>10 ⁹ Ω
Nominal capacitance	3800±500pF

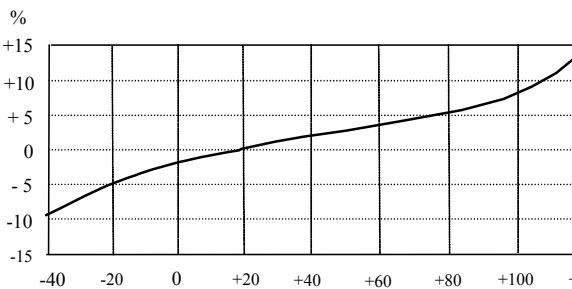
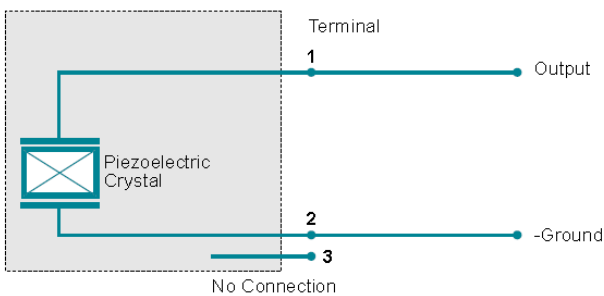
PHYSICAL CHARACTERISTICS

Weight	24g
Case material	stainless steel
Mounting	Adhesive or Jig
Sensing element	PZT-5
Sensor design	Shear
Electrical connection	0.7(+0.05/-0.10)mm pin

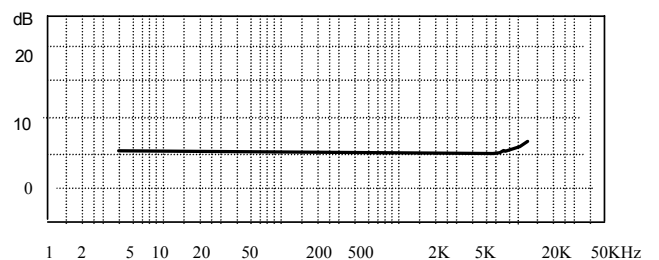
ENVIRONMENTAL CHARACTERISTICS

Temperature range	-40°C to +120°C
Shock limit	50,000ms ⁻² (5000g)
Thermal transient sensitivity	0.0008ms ⁻² /°C
Magnetic sensitivity	15ms ⁻² /T
Base strain sensitivity	2×10 ⁻³ ms ⁻² /με

2-Wire Charge Mode



Typical Temperature Response



Typical Frequency Response